



OUTSIDE GEOTEXTILE

Single sized non-angular

stone around sides of tank

Refer to Section B-B

Inner

Geotextile

Outer

Geotextile

	THIS DOCUMENT IS SUPPLIED IN STRICT CONFIDENCE AND MUST NOT BE LENT, REPRODUCED OR DISCLOSED TO ANY THIRD PARTY WITHOUT THE WRITTEN CONSENT OF GRAF AUSTRALIA PTY LTD		
ie	DO NOT SCALE - IF IN DOUBT ASK		
	Notice: This drawing is issued only as a guideline and is an estimate of the materials required to construct the drainage system, it should not be used for construction purposes.		
	Graf Australia Pty Ltd makes no warranty or guarantee in relation to the suitability of any of the layout details shown on this drawing in relation to a particular scheme.		
	INSTALLATION METHOD:		
	 a) Excavate the trench with a safe batter (or stepped) ensuring the footprint allows for sufficient space between tank and the sides 		
se	(minimum 500mm around all sides of the tank).b) Mark out the position of the tank including inlets and	d outlets.	
ended	 c) Lay min. 50mm of single sized non angular stone (8 to16mm) as a base for the tank. This can be laid to a of 1°. 	a maximum fall	
	 a) Lay the outer geotextile over the base of the excava 	ation,	
	overlapping any joins by a minimum of 300mm. b) Lay the geomembrane on top of the geotextile over the base and		
	up the sides of the trench. c) Geomembrane must be joined by thermal fusion heated wedge		
$\mathbf{\Omega}$	welding by an experienced operator that holds an appr Qualification or other qualification for membrane install	ation. It is	
	recommended that the Dual Seam method is used as this generates an unwelded channel which can be pressured with air to check the integrity of the weld.		
	 d) Lay the geotextile over the geomembrane before stather tank. 	arting to build	
	 e) The geomembrane and geotextile used must meet specification stated on the drawing. 	the	
	3. a) Place EcoBlocs Smart Baseplates onto the inner ge	otextile.	
	Baseplates do not require clipping. b) Place EcoBlocs Smart on the baseplates according orientation, position leg ends into corresponding holes		
E	Baseplate. The bloc will only fit in the correct orientatio firmly to ensure the EcoBloc is located correctly, clippin	n. Push down	
	adjacent bloc using the connectors the first layer is con c)To install the next layer of blocs remove from the sta	npleted.	
	90° and position directly above the bloc below. Push de ensure the bloc is located correctly.	ŗ	
	 d) Continue until all EcoBlocs Smart have been installed, ensuring clips are used to secure each bloc. b) Elementation of each bloc buogsitization to be them 		
	 e) Fit Endplates to the sides of each bloc by positioning the bottom in place then pushing firmly on the top section to locate into place. 		
	 a) Fix adaptor plates to the sides of the blocs in the required position for the inlet and outlet pipes if required. 		
	b) Cut a hole in the geomembrane and geotextile for inlet and outlet connections.		
	c) Pull geomembrane up around the sides and fully wrap the blocs, securing the top in place by heated wedge welding to the side panels.		
	 d) Cover the top and sides with outer geotextile to protect the geomembrane. e) Install vent pipe connection into the top of the tank at a suitable 		
	location. f) Backfill around the tank in 300mm layers increments using		
	non-cohesive, compressible loose rock (gravel, crushed rock, sand, etc).		
	g) Connect inlet/outlet pipes and weld/glue them to have a watertight connection.		
	N.B. Installation method may vary depending on depth of the tank and is project specific. For more information or technical questions please		
	contact our Technical Department at Graf Australia.		
	2 LATEST REVISION	AA 04.01.2023	
	1 LATEST REVISION	MV 14.09.2022	
	REV. DESCRIPTION	BY DATE	
	GRAF.) GRAF Australia	Ptv I td	
ng it			
	GRAF Australia Pty Ltd, 43b Sparks Road (rear building), Henderso	n 6166 WA	
	T: +61 1300 131 971 F: +61 8 6499 E: info@grafaustralia.com.au www.grafaustralia.tom.au		
	DRAWN : AA DATE :	04.01.2023	
-/-	CHECKED : MV SCALE : VARIOUS@A3 PROJECT		
	GRAF STANDARD DETAILS		
	DESCRIPTION		
	using GRAF ECOBLOC SMART		
		REV.	
	DWG-358	2 (Pg.2)	